

Pandomo Cleaner



Safety Data Sheet

according to Regulation (EU) 2015/830

Issue date: 1/21/2021

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1/21/2021

Version: 2.0

www.ardex.de

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Pandomo Cleaner
Product code : 39249, 39250

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : Construction materials
Use of the substance/mixture : PANDOMO

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

ARDEX GmbH GmbH
Friedrich-Ebert-Strasse , 45
DE- D-58453 Witten-Annen
Germany
T 0049 (0)2302/664-0 - F 0049 (0)2302/664-355
sicherheitsdatenblatt@ardex.de - www.ardex.de

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Germany	Vergiftungs-Informations-Zentrale	Breisacher Strasse 86b 79110 Freiburg	+49 (0) 761 19240	For medical information in German and English language

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 1

H318

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



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	GHS05
Signal word (CLP)	: Danger
Contains	: Sulfonic acids, C14-17-sec-alkane, sodium salt, ammonium chloride, alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts
Hazard statements (CLP)	: H318 - Causes serious eye damage.
Precautionary statements (CLP)	: P280 - Wear protective gloves, eye protection. P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
EUH-statements	: EUH208 - 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1).
Extra phrases	: Dispose of contents/container in accordance with regional/national/international/local regulations.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sulfonic acids, C14-17-sec-alkane, sodium salt	CAS-No.: 97489-15-1 EC-No.: 307-055-2 REACH-no: 01-2119489924-20	$\geq 5 - < 10$	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
ammonium chloride	CAS-No.: 12125-02-9 EC-No.: 235-186-4 EC Index-No.: 017-014-00-8 REACH-no: 01-2119487950-27	< 2,5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts	CAS-No.: 68891-38-3 EC-No.: 500-234-8 REACH-no: 01-2119488639-16	$\geq 1 - < 2,5$	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: No specific measures are necessary.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: The product is not considered to be irritating to the skin.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: If you feel unwell, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: No additional information available.
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4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : high volume water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No additional information available.

5.3. Advice for firefighters

Precautionary measures fire : No specific measures are necessary.
Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spillage to prevent material damage. Keep unprotected persons away.

6.1.1. For non-emergency personnel

Protective equipment : Precautions for safe handling. See Section 7.

6.1.2. For emergency responders

Protective equipment : No special measures required.

6.2. Environmental precautions

Do not discharge into drains or the environment. Dilute with plenty of water. Advise local authorities if considered necessary.

6.3. Methods and material for containment and cleaning up

For containment : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

See Section 7. See Section 8. See Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : See Section 8.
Precautions for safe handling : Keep container tightly closed. Prevent aerosol formation or splashes. Ensure good ventilation of the work station.
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed in a cool, well-ventilated place.
Storage conditions : No special requirements.
Information on mixed storage : Not required.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

ammonium chloride (12125-02-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	128.9 mg/kg bw/day
Long-term - systemic effects, inhalation	43.97 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	55.2 mg/kg bw/day
Long-term - systemic effects, oral	55.2 mg/kg bw/day
Long-term - systemic effects, inhalation	9.4 mg/m ³
Long-term - systemic effects, dermal	55.2 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	0.25 mg/l
PNEC aqua (marine water)	0.025 mg/l
PNEC (Soil)	
PNEC soil	50.7 mg/kg dwt
alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts (68891-38-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2750 mg/kg bw/day
Long-term - local effects, dermal	132 µg/cm ²
Long-term - systemic effects, inhalation	175 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	15 mg/kg bw/day
Long-term - systemic effects, inhalation	52 mg/m ³
Long-term - systemic effects, dermal	1650 mg/kg bw/day
Long-term - local effects, dermal	79 µg/cm ²
PNEC (Water)	
PNEC aqua (freshwater)	0.24 mg/l
PNEC aqua (marine water)	0.024 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.917 mg/kg dwt
PNEC sediment (marine water)	0.092 mg/kg dwt

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alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts (68891-38-3)	
PNEC (Soil)	
PNEC soil	7.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 g/l
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0.04 mg/m ³
Long-term - local effects, inhalation	0.02 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	0.04 mg/m ³
Long-term - local effects, inhalation	0.02 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	3.39 µg/l
PNEC aqua (marine water)	3.39 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.027 mg/kg dwt
PNEC sediment (marine water)	0.027 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.01 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.23 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Observe precautions from other sections.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Sealed safety goggles. Avoid splashing

8.2.2.2. Skin protection

Hand protection:

Wear suitable gloves. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

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Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	Refer to supplier/manufacturer	

8.2.2.3. Respiratory protection

Respiratory protection:

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Observe general hygiene measures when handling chemicals. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Green.
Odour	:
Odour threshold	: Not determined
pH	: 6.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not determined
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: Not specifically applicable
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not determined
Flammability	: Not specifically applicable
Vapour pressure	: Not determined
Relative vapour density at 20°C	: Not determined
Relative density	: Not determined
Density	: 1.002 g/cm ³
Solubility	: completely miscible with: Water.
Partition coefficient n-octanol/water (Log Pow)	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive properties	: Product is not explosive.
Oxidising properties	: Non flammable.
Lower explosive limit (LEL)	: Not determined
Upper explosive limit (UEL)	: Not determined

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

No decomposition when used according to regulations.

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10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No additional information available.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Sulfonic acids, C14-17-sec-alkane, sodium salt (97489-15-1)

ATE CLP (oral)	500 mg/kg bodyweight
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ammonium chloride (12125-02-9)

LD50 oral rat	1410 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
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LD50 dermal rat	> 2000 mg/kg bodyweight (EU Method B.3: Acute toxicity (dermal), 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
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LC50 Inhalation - Rat	> 3.6 mg/l (4 h, Rat, Male, Read-across, Inhalation (dust))
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ATE CLP (oral)	1410 mg/kg bodyweight
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alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts (68891-38-3)

LD50 oral rat	4100 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral)
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LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
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ATE CLP (oral)	4100 mg/kg bodyweight
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Skin corrosion/irritation : Not classified
pH: 6.5

Serious eye damage/irritation : Causes serious eye damage.
pH: 6.5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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Viscosity, kinematic	Not determined
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Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

ammonium chloride (12125-02-9)

LC50 - Fish [1]	209 mg/l (APHA, 96 h, Cyprinus carpio, Semi-static system, Experimental value)
EC50 - Crustacea [1]	101 mg/l (ASTM E729-80, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Lethal)
ErC50 algae	1300 mg/l (5 day(s), Chlorella vulgaris, Static system, Fresh water, Experimental value, Nominal concentration)

alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts (68891-38-3)

LC50 - Fish [1]	7.1 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Flow-through system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	7.4 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	27.7 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

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Persistence and degradability	No additional information available.
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ammonium chloride (12125-02-9)

Persistence and degradability	Biodegradability: not applicable.
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alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts (68891-38-3)

Persistence and degradability	Readily biodegradable in water.
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12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	Not determined
Bioaccumulative potential	No additional information available.

ammonium chloride (12125-02-9)

Partition coefficient n-octanol/water (Log Pow)	-3.2 (Experimental value, 25 °C)
Bioaccumulative potential	Not bioaccumulative.

alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts (68891-38-3)

Partition coefficient n-octanol/water (Log Pow)	0.3 (Experimental value, OECD 123: Partition Coefficient (1-Octanol/Water): Slow-Stirring Method, 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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12.4. Mobility in soil

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Ecology - soil : No information available.

ammonium chloride (12125-02-9)

Surface tension : No data available in the literature

Ecology - soil : Adsorption to soil is possible.

alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts (68891-38-3)

Surface tension : 33 mN/m (25 °C, 0.07 %, BS EN 14370:2004: Surface tension)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) : 0.34 (log Koc, QSAR)

Ecology - soil : Highly mobile in soil.

12.5. Results of PBT and vPvB assessment

Component

ammonium chloride (12125-02-9) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

alcohols, C12-14, ethoxylated < 2.5 mol EO, sulfates, sodium salts (68891-38-3) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with regional/national/international/local regulations.

European List of Waste (LoW) code : 20 00 00 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00 - separately collected fractions (except 15 01)
20 01 30 - detergents other than those mentioned in 20 01 29

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Storage class (LGK, TRGS 510) : LGK 12 - Non-combustible liquids

GISCODE : GU73 - Maintainer, solvent-free, irritant (including serious eye damage)

15.2. Chemical safety assessment

No additional information available

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SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1),
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.